

EXHIBIT A

JAN 18 2005

MPI93-006CP1DV1ACN1DV1M

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10/643,627		Group No.:	1636
August 19, 2003		Examiner:	Guzo, David
RECOMBINANT C140 RECEPTOR ITS AGONISTS AND ANTAGONISTS, AND NUCLEIC ACIDS ENCODING THE RECEPTOR			

Alignment of polypeptide sequences of SEQ ID 4 and SEQ ID 63  
SEQ ID 4 398 aa vs. SEQ ID 63 397 aa

ALIGN calculates a global alignment of two sequences  
version 2.0uPlease cite: Myers and Miller, CABIOS (1989)  
scoring matrix: BLOSUM50, gap penalties: -12/-2  
91.8% identity; Global alignment score: 2342

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      10      20      30      40      50
/tmp/s MNVLSFEQTSVTAETPFISVMTLVFLSCTGT---NRSSKGRSLIGKVDGTSHTVGKGVTV
SEQ M-----RSPSAAWLLGAAILLAASLSCSGTIQGTNRSSKGRSLIGKVDGTSHTVGKGVTV
      10      20      30      40      50

      60      70      80      90     100     110
/tmp/s ETVFSVDEFSASVLTGKLTTFVFLPIVYTIVFVVGLPNGMALWVFLFRTKKKHPAVIYMA
SEQ ETVFSVDEFSASVLAGKLTTFVFLPIVYTIVFAVGLPNSGMALWVFLFRTKKKHPAVIYMA
      60      70      80      90     100     110

      120     130     140     150     160     170
/tmp/s NLALADLLSVIWFPLKIAHYHIGNNWIYGEALCNVLIGFFYGNMYCSILFMTCLSVQRYW
SEQ NLALADLLSVIWFPLKIAHYHIGNNWIYGEALCNVLIGFFYRNMYCSILFMTCLSVQRYW
      120     130     140     150     160     170

      180     190     200     210     220     230
/tmp/s VIVNPMGHSRKKANIAIGISLAIWLLILLVTIPLYVVKQTIFIPALNITTCNDVLPQQLL
SEQ VIVNPMGHSRKKANIAIGISLAIWLLILLVTIPLYVVKQTIFIPALNITTCNDVLPQQLL
      180     190     200     210     220     230

      240     250     260     270     280     290
/tmp/s VGDMFNYFLSLAIGVFLFPAPLTASAYVLMIRMLRSSAMDENSEKKRKRAIKLIVTVLAM
SEQ VGDMFNYFLSLAIGVFLFPAPLTASAYVLMIRMLRSSAMDENSEKKRKRAIKLIVTVLGM
      240     250     260     270     280     290

      300     310     320     330     340     350
/tmp/s YLICFTPSNLLLVVHYFLIKSQGQSHVYALYIVALCLSTLNSCIDPFVYFVSHDFRDHA
SEQ YLICFTPSNLLLVVHYFLIKSQGQSHVYALYIVALCLSTLNSCIDPFVYFVSHDFRDHA
      300     310     320     330     340     350

      360     370     380     390
/tmp/s KNALLCRSVRTVKQMVSLSKSKHSRKSSSYSSSSTTVKTSY
SEQ KNALLCRSVRTVKQMVSLSKSKHSRKSSSYSSSSTTVKTSY
      360     370     380     390
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